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Streamium

NP3900/12



EN User manual

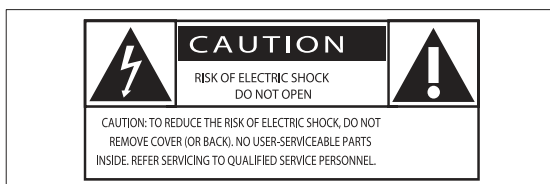
PHILIPS

1 Important

Safety

Information for Europe:

Know these safety symbols



The 'exclamation mark' calls attention to features for which you should carefully read the supplied literature to prevent operating and maintenance problems.

The 'lightening bolt' symbol indicates uninsulated components within the product that can cause an electric shock.

To reduce the risk of fire or electric shock, do not expose the product to rain or moisture and do not place any objects filled with liquids, such as vases, on the product.

- ① Read these instructions.
- ② Keep these instructions.
- ③ Heed all warnings.
- ④ Follow all instructions.
- ⑤ Do not use this product near water.
- ⑥ Clean only with dry cloth.
- ⑦ Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

- ⑧ Do not remove the casing of this product.
- ⑨ Only use this product indoors. Do not expose the product to dripping / splashing water, rain or high humidity.
- ⑩ Keep this product away from direct sunlight, naked flames or heat.
- ⑪ Do not install near any heat sources such as radiators, heat registers, stoves, or other electrical equipment (including amplifiers).
- ⑫ Do not place any other electrical equipment on the product.
- ⑬ Do not place any sources of danger on the product (e.g. objects containing liquids, burning candles).
- ⑭ This product may include batteries. Please refer to safety and disposal instructions for batteries in this user manual.
- ⑮ This product may contain lead and mercury. Disposal of these materials may be regulated due to environmental considerations. Please refer to disposal instructions in this user manual.



Warning

- Never remove the casing of this apparatus.
- Never lubricate any part of this apparatus.
- Never place this apparatus on other electrical equipment.
- Keep this apparatus away from direct sunlight, naked flames or heat.
- Ensure that you always have easy access to the power cord, plug or adaptor to disconnect this apparatus from the power.
- Where the mains plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.

Risk of overheating! Never install this apparatus in a confined space. Always leave a space of at least four inches around this apparatus for ventilation. Ensure curtains or other objects never cover the ventilation slots on this apparatus.

Hearing Safety



Listen at a moderate volume:

Using headphones at a high volume can impair your hearing. This product can produce sounds in decibel ranges that may cause hearing loss for a normal person, even for exposure less than a minute. The higher decibel ranges are offered for those that may have already experienced some hearing loss.

Sound can be deceiving. Over time your hearing 'comfort level' adapts to higher volumes of sound. So after prolonged listening, what sounds 'normal' can actually be loud and harmful to your hearing. To guard against this, set your volume to a safe level before your hearing adapts and leave it there.

To establish a safe volume level:

Set your volume control at a low setting.

Slowly increase the sound until you can hear it comfortably and clearly, without distortion.

Listen for reasonable periods of time:

Prolonged exposure to sound, even at normally 'safe' levels, can also cause hearing loss.

Be sure to use your equipment reasonably and take appropriate breaks.

Be sure to observe the following guidelines when using your headphones.

Listen at reasonable volumes for reasonable periods of time.

Be careful not to adjust the volume as your hearing adapts.

Do not turn up the volume so high that you can't hear what's around you.

You should use caution or temporarily discontinue use in potentially hazardous situations.

Environmental notices



This product complies with the radio interference requirements of the European Community.

CE 0560 ! R&TTE Directive 1999/5/EC							
BG ✓	RO ✓	BE ✓	LT ✓	LI ✓	IS ✓	SE ✓	
DK ✓	ES ✓	CZ ✓	NL ✓	AT ✓	LV ✓	SK ✓	
FR ✓	UK ✓	FI ✓	PT ✓	CY ✓	MT ✓	PL ✓	
HU ✓	NO ✓	GR ✓	SI ✓	EE ✓			
IT ✓	LU ✓	IE ✓	CH ✓	DE ✓			

This product complies with the requirement of the 1999/5/EC directive.

Class II equipment symbol:



This symbol indicates that this product has a double insulation system.

Modifications

Modifications not authorized by the manufacturer may void user's authority to operate this product.



Your product is designed and manufactured with high quality materials and components, which can be recycled and reused.



When this crossed-out wheeled bin symbol is attached to a product it means that the product is covered by the European Directive 2002/96/EC.

Please inform yourself about the local separate collection system for electrical and electronic products.

Please act according to your local rules and do not dispose of your old products with your normal household waste. Correct disposal of your old product helps to prevent potential negative consequences for the environment and human health.



Your product contains batteries covered by the European Directive 2006/66/EC, which cannot be disposed with normal household waste. Please inform yourself about the local rules on separate collection of batteries because correct disposal helps to prevent negative consequences for the environmental and human health.

Information about the use of batteries:



Caution

- Risk of leakage: Only use the specified type of batteries. Do not mix new and used batteries. Do not mix different brands of batteries. Observe correct polarity. Remove batteries from products that are not in use for a longer period of time. Store batteries in a dry place.
- Risk of injury: Wear gloves when handling leaking batteries. Keep batteries out of reach of children and pets.
- Risk of explosion: Do not short circuit batteries. Do not expose batteries to excessive heat. Do not throw batteries into the fire. Do not damage or disassemble batteries. Do not recharge non-rechargeable batteries.



Be responsible
Respect copyrights

The making of unauthorized copies of copy-protected material, including computer programs, files, broadcasts and sound recordings, may be an infringement of copyrights and constitute a criminal offence. This equipment should not be used for such purposes.

2 Your NP3900

Congratulations on your purchase, and welcome to Philips! To fully benefit from the support that Philips offers, register your product at www.philips.com/welcome.

Introduction

This unit can

- connect to the existing home Wi-Fi/wired network, which can consist of computers and UPnP devices;
- connect the existing audio systems and MP3 players;
- connect an iPod/iPhone dock.

With these connections, you can

- play Internet radio stations and *online music services over the Internet;
- play music stored on a computer/UPnP server;
- play music from an audio system/portable media player through the speakers.
- charge or play your iPod/iPhone through this unit.



Tip

- *Online services are available in some countries only.

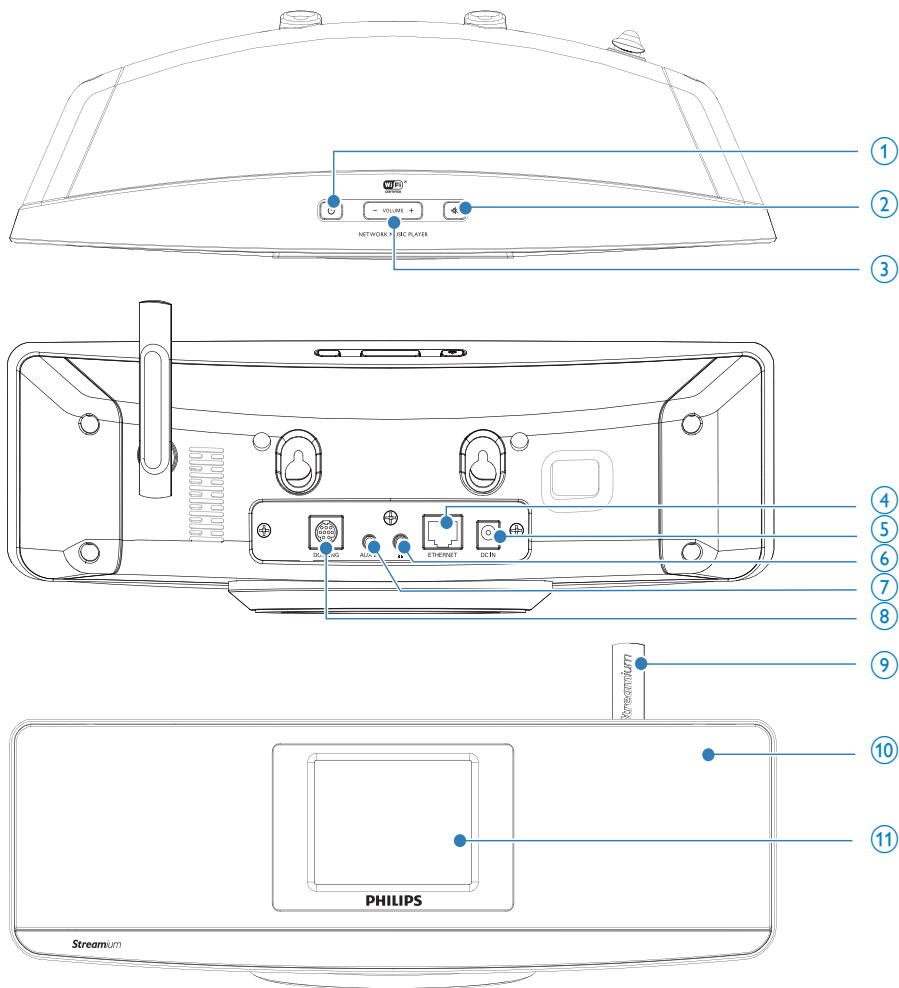
What's in the box



Check and identify the contents of your package:


- Main unit
- Remote control with batteries
- AC power adapter
- Software suite on a CD-ROM
- Quick Start Guide
- Wall mounting template

Overview

Front and rear view

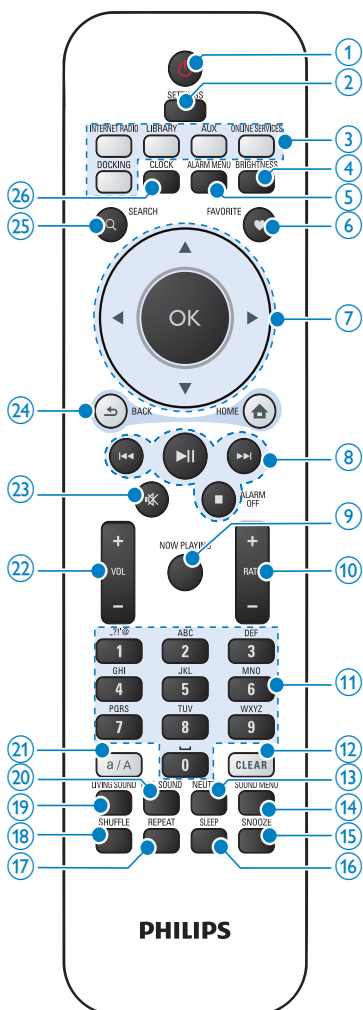


- 
Press to turn on the unit.
To turn off, press to switch to active standby; or, press and hold to switch to Eco standby.
Exit Demo mode.
- 
Mute or unmute sound.
- VOLUME +**
Increase or decrease volume.




- ETHERNET**
Socket for the Ethernet cable that connects this unit with the home Wi-Fi/wired network, if you want a wired connection to the home Wi-Fi/wired network.
- DC IN**
Socket for the AC power adapter.
- 
3.5 mm headphone jack.




7. **AUX IN**
Audio input socket for a portable media player to play through the speakers on this unit.
8. **DOCKING**
Socket for connection of an iPod/iPhone dock (not supplied).
9. Wi-Fi antenna
10. IR sensor
11. LCD display

Remote control



1. **Power**
Press to turn on the unit;
To turn off, press to switch to active standby; or, press and hold to switch to Eco standby.
Exit Demo mode.
2. **SETTINGS**
Enter the settings menus.
3. **Source selector**
Select a media source:
INTERNET RADIO: Radio services provided over the Internet;
LIBRARY: Media library on a UPnP media server;
AUX: Connected external audio device (e.g. an audio system);
ONLINE SERVICES: Supported music services provided over the Internet (available in some countries only);
DOCKING: Supported media on the connected iPod/iPhone.
4. **BRIGHTNESS**
Select brightness options for the LCD display.
5. **ALARM MENU**
Access the alarm menu.
6. **FAVORITE**
In **LIBRARY/INTERNET RADIO** mode:
Add the current station to the list of Favorite Stations.
7. **Navigation buttons**
Press to navigate through menus.
▲ / ▼
In **LIBRARY/INTERNET RADIO** mode:
Superscroll: In a long list of options, press and hold to start Superscroll. Release to jump to the first item starting with current alphabet/number.
OK
Confirm selection.

8.	
	Search buttons on the play screen
	In LIBRARY mode: Press to skip to the previous/next chapter/track.
	
	Start/pause/resume play; In LIBRARY mode: Start to play the entire file folder (SuperPlay™).
	 /ALARM OFF
	Stop play; Exit Demo mode; Turn off alarm.
9.	NOW PLAYING
	Return to play screen.
10.	+ RATE -
	In ONLINE SERVICES mode: Increase/decrease rating* of current music.
11.	Alphanumeric buttons
	For text entry
	In INTERNET RADIO mode: On the radio play screen, press and hold a numeric button to store current station in the location as a preset station.
	In LIBRARY/INTERNET RADIO mode: Quickjump: In a long list of options that are sorted in an alphabetical order, press once or repeatedly to select an alphabet, and jump to the first item that starts with the selected alphabet.
12.	CLEAR
	Press to delete the previous entry; Press and hold to delete all entries.
13.	NEUTRAL
	Enable/disable the Direct Source sound effect.
14.	SOUND MENU
	Enter the menu for sound effect adjustment.

15.	SNOOZE
	Stop alarm sound for a period of time.
16.	SLEEP
	Set the sleep timer.
17.	REPEAT
	Select a repeat play option.
18.	SHUFFLE
	Enable/disable random order play.
19.	LIVING SOUND
	Enable/disable the Living Sound effect.
20.	FULL SOUND
	Enable/disable the Full Sound effect.
21.	a/A
	Switch between lower and upper cases.
22.	+ VOL -
	Increase/decrease the volume.
23.	
	Mute/restore sound.
24.	
	BACK: Go back to previous screen.
	
	HOME: Return to Home screen (main menu).
25.	SEARCH
	Start search/browse based on alphanumeric entry.
26.	CLOCK
	View the clock.

 **Note**

- * Rating current music is available only for music services that support rating, and is available only in some countries.

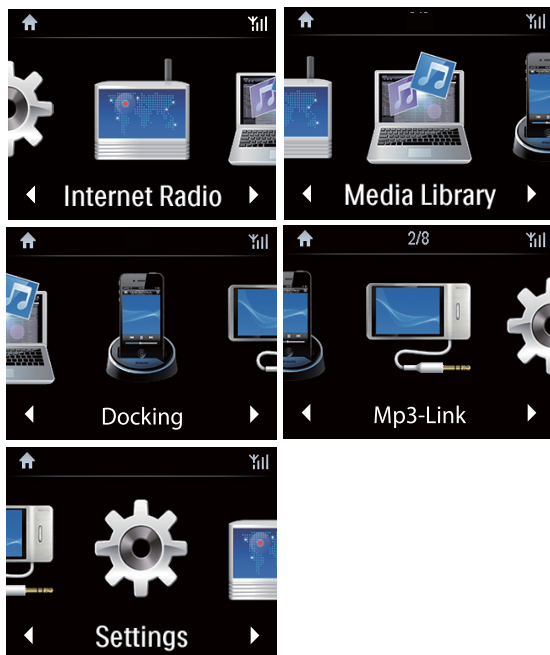
Touch screen

NP3900 is equipped with a touch screen.



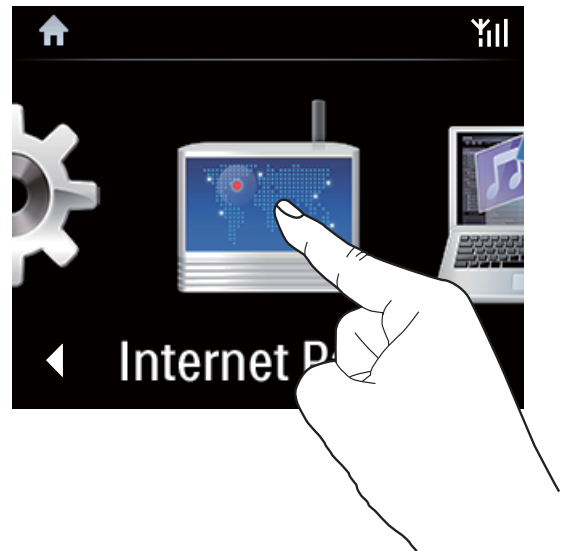
- If necessary, tap on the screen to show functional buttons;
- Tap on the buttons to select corresponding functions;
- Tap on an option to select.

Home screen



On NP3900, you enter Home screen after the first-time setup is complete.

To select a music source, or enter the [Settings] menu



- On Home screen, tap on ◀/▶ to navigate through icons. Tap on the corresponding icon to select.



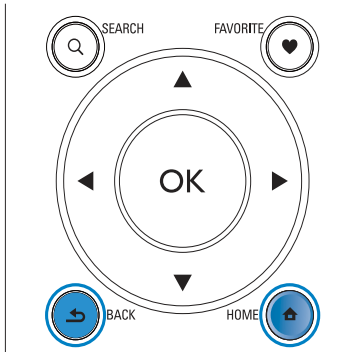
- Or, press ◀/▶/OK on the remote control to select the desired source.

To go back to previous screen

- Press ↶ BACK.

To return to Home screen

- Press 🏠 HOME.



Play screen

In **LIBRARY/INTERNET RADIO/ONLINE SERVICES** mode, Play screen appears when play starts.



To navigate through menus during music play, do the following:

- 1 On the remote control, press and then, use the Navigation buttons.
- 2 To return to Play screen, press **NOW PLAYING**.

Tip

- On Play screen, you can also press and repeatedly to select songs.

Text entry

To enter text and symbols, you can:

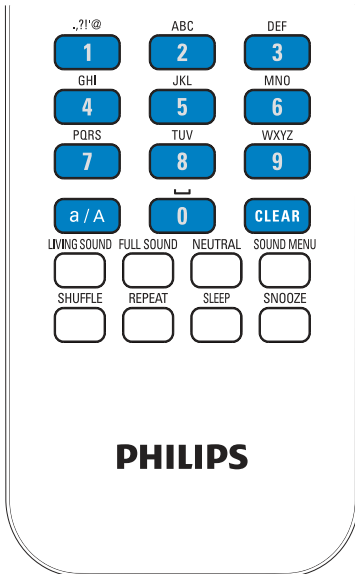
- tap on the text box and enter text and symbols with the pop-up keypad directly.
- press corresponding alphanumeric buttons on the remote control.

Text entry with the remote control

- To enter letters/numbers/symbols corresponding to the same alphanumeric button, briefly and repeatedly press the button.

English		
	abc...	ABC...
1	1.,?!'@- _::/'#\$%& ()*+<=>[^'{} ~	1.,?!'@- _::/'#\$%& ()*+<=>[^'{} ~
2	abc2	ABC2
3	def3	DEF3
4	ghi4	GHI4
5	jkl5	JKL5
6	mno6	MNO6
7	pqrs7	PQRS7
8	tuv8	TUV8
9	wxyz9	WXYZ9
0	_0	_0

- To enter symbols, press repeatedly.
- To enter space, press .
- To switch between lower and upper cases, press .
- To delete previous character, press . To delete all entries, press and hold .



Other Languages	
abc...	ABC...
1.,?!'@- :/'#\$%& ()*+<=>[N^`{ }~	1.,?!'@- :/'#\$%& ()*+<=>[N^`{ }~
abc2àáâãäåæ	ABC2ÀÁÂÃÄÅÆ
def3èéêë	DEF3ÈÉÊË
ghi4íîï	GHI4ÍÎÏ
jkl5	JKL5
mno6ñòóôõöø	MNO6ÑÒÓÔÕÖØ
pqrs7ß	PQRS7ß
tuv8ùúûü	TUV8ÙÚÛÜ
wxyz9	WXYZ9
_0	_0



Tip

- For languages other than English, letters that an alphanumeric button corresponds to may vary.

Русский	
абв...	АБВ...
1.,?!'@- :/'#\$%& ()*+<=>[N^`{ }~	1.,?!'@- :/'#\$%& ()*+<=>[N^`{ }~
абвг2abc	АБВГ2ABC
дежз3def	ДЕЖЗ3DEF
ийкл4ghi	ИЙКЛ4GHI
mnop5jkl	МНОП5JKL
рсту6mno	РСТУ6MNO
фхцч7pqrs	ФХЦЧ7PQRS
шщъы8tuv	ШЩЪЫ8TUV
ьэюя9wxyz	ЬЭЮЯ9WXYZ
_0	_0

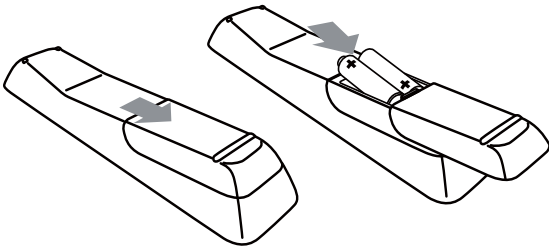
3 Prepare

Install batteries into the remote control

! Caution

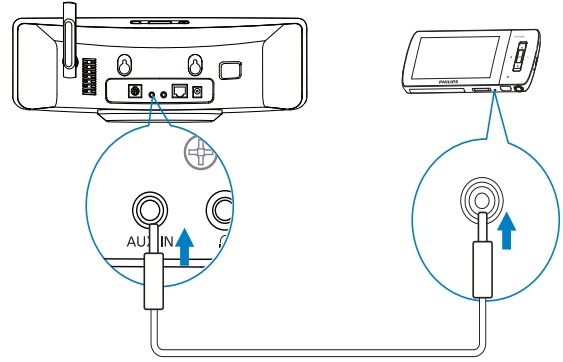
- Risk of explosion! Keep batteries away from heat, sunshine or fire. Never discard batteries in fire.
- Risk of decreased battery life! Never mix different brands or types of batteries.
- Risk of product damage! When the remote control is not used for long periods, remove the batteries.

- 1 Open the battery compartment.
- 2 Insert two AAA R03 batteries with correct polarity (+/-) as indicated.
- 3 Close the battery compartment.



Connect external audio devices

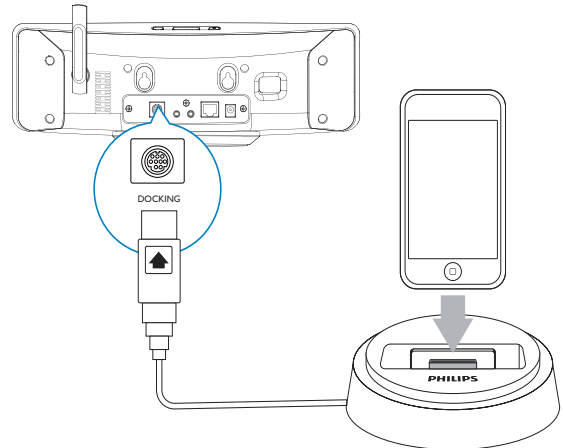
With this unit, you can listen to an external audio device through this unit.



≡ Note

- When the connection is ready, press **AUX** to switch to the external device.

Connect an iPod / iPhone dock



With the connected iPod / iPhone dock, you can charge or listen to music from your iPod / iPhone through this unit.

- Connect a dock (not supplied) to the **DOCKING** socket on this unit.

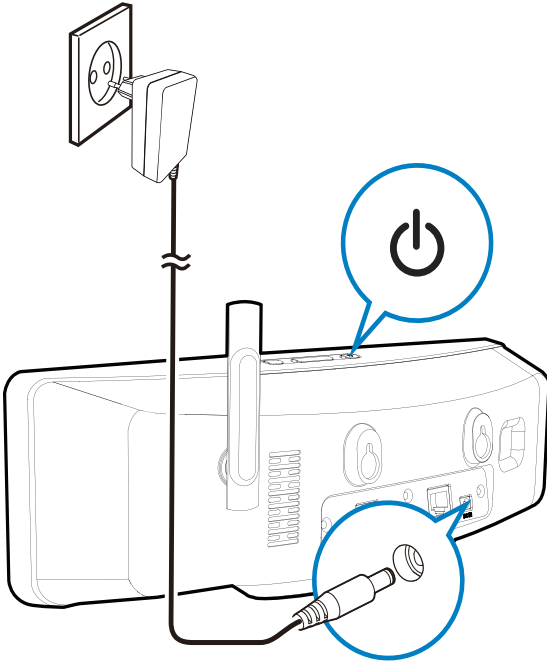
* Tip

- To listen to music from the docked iPod / iPhone, first press **DOCKING** to select the dock source.

Connect power supply

Warning

- Risk of product damage! Ensure that the power supply voltage corresponds to the voltage printed on the back or the underside of the product.





- Connect this unit to the power supply.

Note

- The type plate information is located at the bottom of the unit.

4 First-time setup

The first time you turn on NP3900,

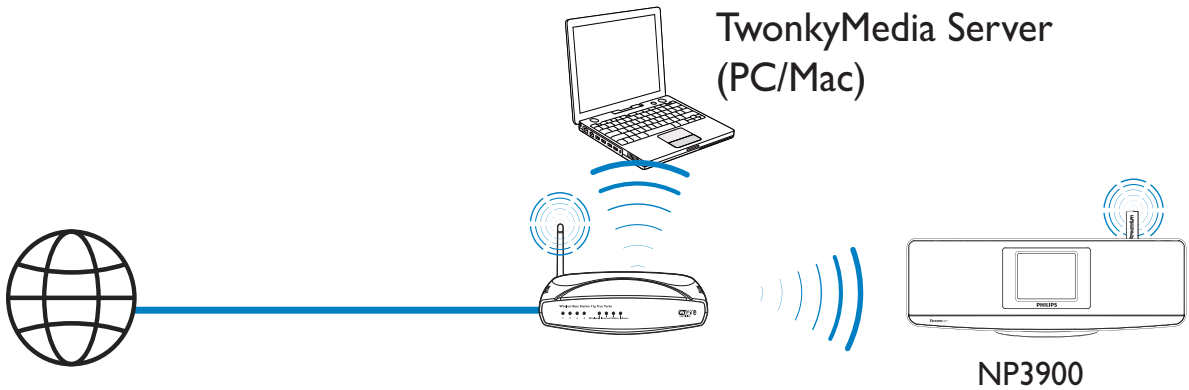
- 1 Select the desired language on the screen as prompted.
- 2 **To learn major functions on NP3900,**
 - Select **[Yes, show me the demo]**, when asked whether to view demo;
 - If necessary, press + **VOL** - to adjust the volume;
 - To exit the demo play, press .
 - ↳ The unit is switched to Eco standby.
 - ↳ Press  again to turn on **NP3900**, and restart the setup.

To proceed to network setup,

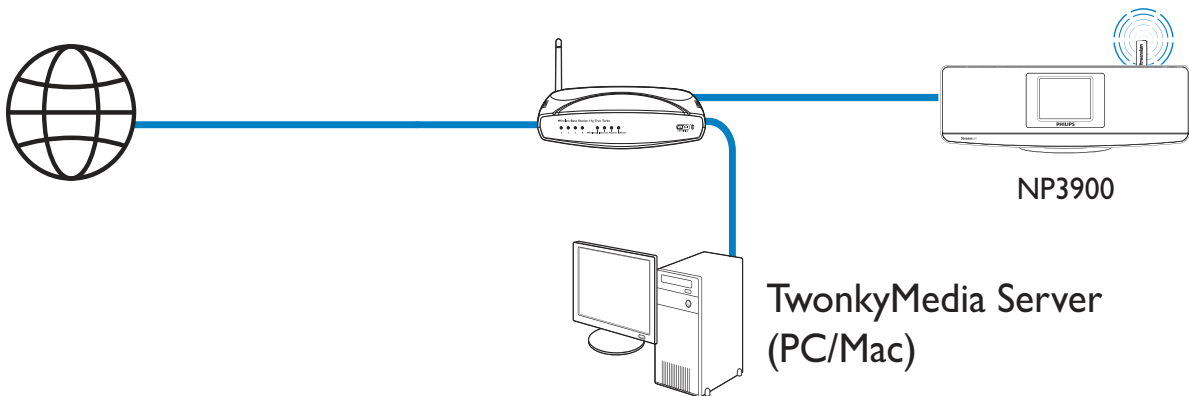
 - Select **[No]**, when asked whether to view demo.
- 3 Select your location and time zone from the list as prompted.
- 4 Select **[Yes]**, when asked whether to set up network connection.

Connect to home Wi-Fi/ wired network

Connect wirelessly



Connect through an Ethernet cable



You can connect **NP3900** to home Wi-Fi/
wired network in different ways: wireless or
wired, automatic or manual.

- Use a router (or Access Point) for home Wi-Fi/wired network. That is, connect computers/devices to a router.

- Connect **NP3900** to the router wirelessly or through an Ethernet cable.
- To have the unit connected to the Internet over home Wi-Fi/wired network, ensure that the router connects to the Internet directly and no dial-up is required on the computer.
- To switch between different connection methods (wireless or wired, automatic or manual), or switch between different

routers, go to [Settings] > [Network settings] > [Setup network].

Wireless connection: One-touch Wi-Fi Protected Setup (WPS)

NP3900 supports Wi-Fi Protected Setup (WPS). You can quickly and securely connect NP3900 to a wireless router that also supports the WPS.

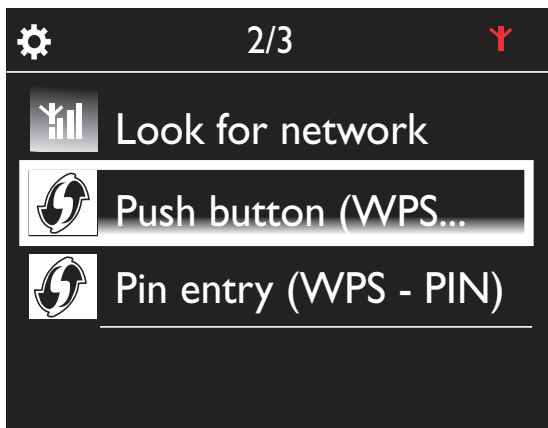
You can select one of the two setup methods: PBC (Push Button Configuration), or PIN (Personal Identification Number).

Tip

- Wi-Fi Protected Setup (WPS) is a standard created by Wi-Fi Alliance for easy establishment of secure wireless home network.

Turn on WPS-PBC on NP3900

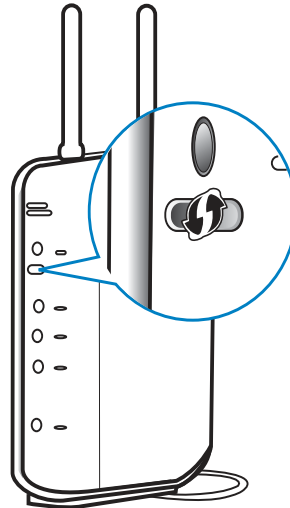
- 1 Select [Yes], when asked whether to set up network connection (see 'First-time setup').
- 2 Select [Wireless (WiFi)] > [Push button (WPS - PBC)].



Add NP3900 on the router

- Consult the user manual of the router to learn how to add a WPS device to the router. For example: press and hold the WPS push button.

- ↳ The router starts to search for a WPS device.
- ↳ On NP3900, a message appears when the connection is completed successfully.

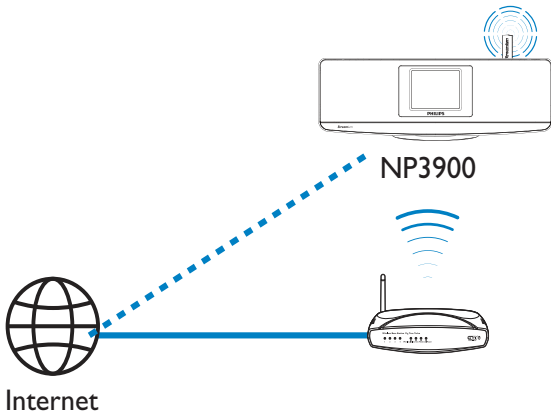


Tip

- To use PIN (Personal Identification Number) as the setup method: On NP3900, select [Wireless (WiFi)] > [Pin entry (WPS - PIN)], and write down the PIN that is displayed on NP3900; On the router, enter the PIN.
- Consult the user manual of the router to learn how to enter the PIN the router.

Connect to the Internet

- Connect to the Internet as prompted.
 - ↳ You enter Home screen after the first-time setup is complete.



Note

- Make sure that the router connects to the Internet directly and no dial-up is required on the computer.

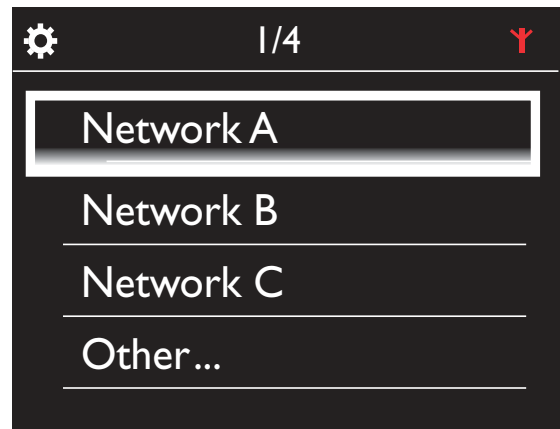
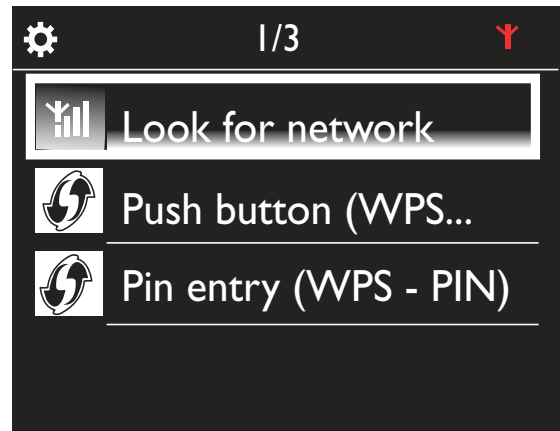
Wireless connection: Enter encryption key manually



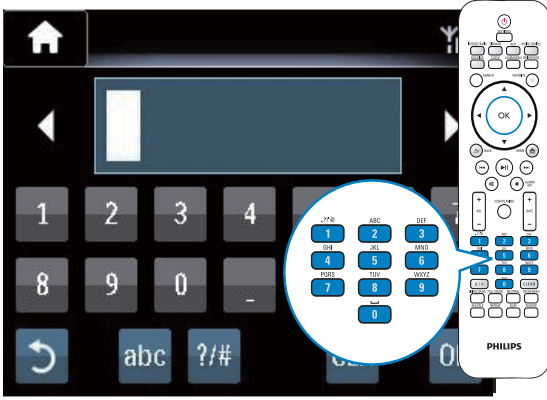
Tip

- Before you start the network setup, have the encryption key to your router ready.

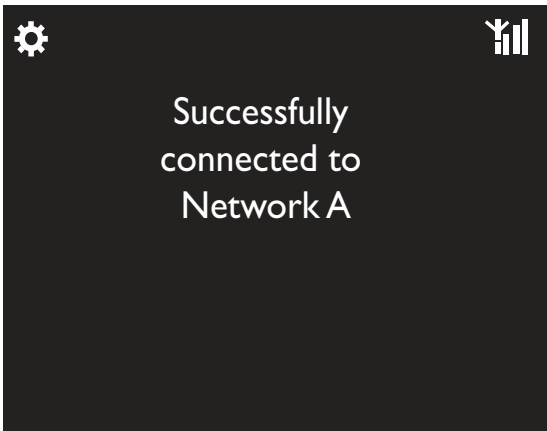
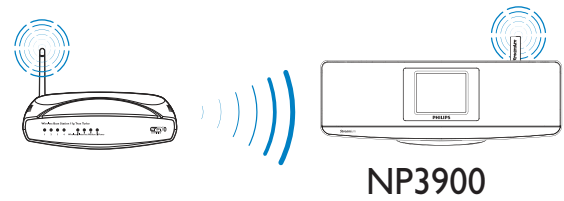
- 1 Select **[Yes]**, when asked whether to set up network connection (see 'First-time setup').
- 2 Select **[Wireless (WiFi)] > [Look for network]**.
 - ↳ The unit starts to search for wireless networks.
 - ↳ A list of available Wi-Fi networks appears.



- 3 Select the desired Wi-Fi network.
- 4 As prompted, enter the encryption key to the network.
 - ↳ The unit starts to acquire an IP address assigned by the Wi-Fi network automatically.
 - ↳ A message appears when the connection is completed successfully.



Wireless connection: Enter IP address manually

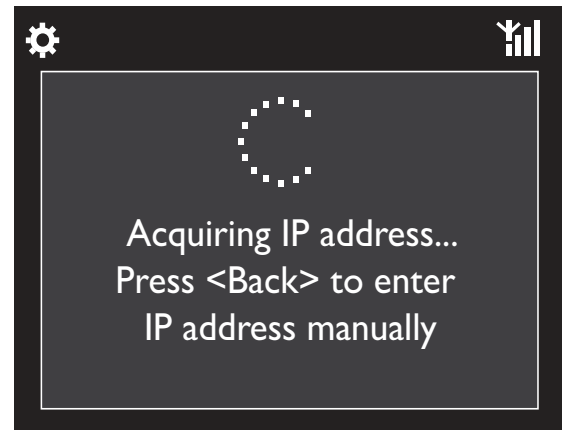


Stop getting Auto IP

- 1 Search for the home Wi-Fi network, and then, connect to the home Wi-Fi network.
 - ↳ The unit starts to acquire an IP address assigned by the Wi-Fi network automatically.
- 2 Press **BACK** on the remote control to stop getting auto IP.

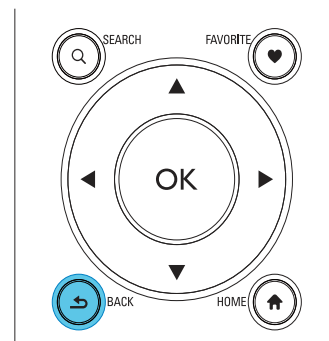
Tip

- If you have hidden the SSID of the router (e.g. disable the SSID broadcasting), go to the end of the list of Wi-Fi network. Select **[Other...]** > **[Manual SSID entry]**. In the text box, enter the name of the router.



Note

- The router may fail to assign an IP address, if the DHCP (Dynamic Host Configuration Protocol) is unavailable or disabled on the router. You may need to enter the IP address manually, or press **BACK** to start re-connecting.



Get the IP address of the router

- Consult the user manual of the router.
- Or, to check for the settings of the router, enter the IP address (e.g. 192.168.1.1) in the web browser (e.g. Internet Explorer) of the computer, and then, get the desired information in the setup page.

Enter the IP address manually

- On the **NP3900**, enter an IP address that allows the unit to be in the same subnet as the router.
For example, if the router has IP address: 192.168.1.1, Subnet mask: 255.255.255.000;
Then, enter the following on the unit:
IP address: 192.168.1.XX (where XX denotes a number), Subnet mask: 255.255.255.000.

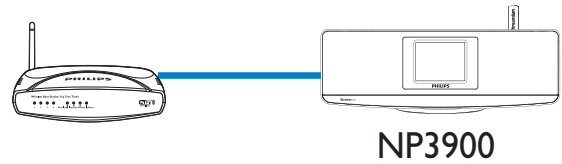


- Press ◀/▶ repeatedly to select the entry location;
- To enter the desired digits, use the alphanumeric buttons on the remote control; or press ▲ / ▼ repeatedly.

Note

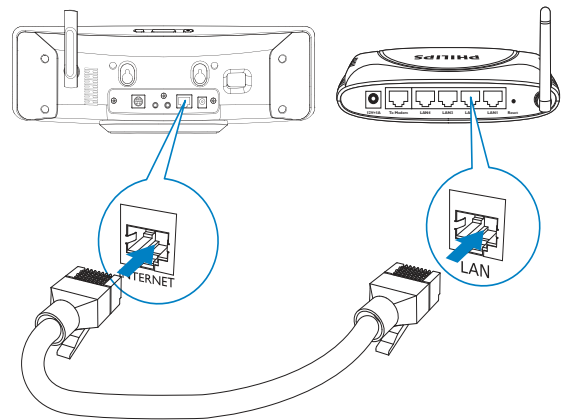
- Ensure that you never enter an IP address that is already assigned to a computer/device on the network.

Wired connection



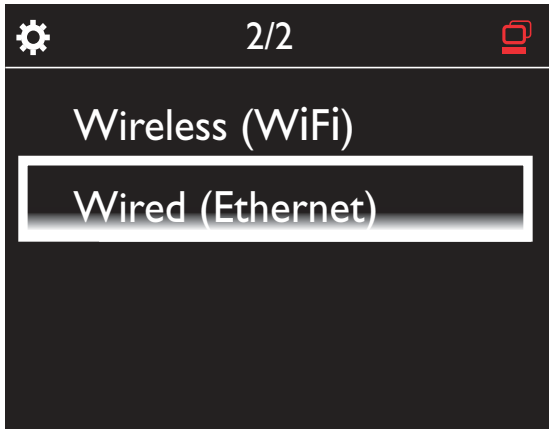
Connect to the router by using the Ethernet cable

- 1 Select **[Yes]**, when asked whether to set up network connection (see 'First-time setup').
- 2 Use an Ethernet cable to connect the unit to the router.



Connect to the home Wi-Fi/wired network

- On the unit, select **[Wired (Ethernet)]**.
↳ The unit starts to acquire an IP address assigned by the network automatically.
↳ A message appears when the connection is completed successfully.

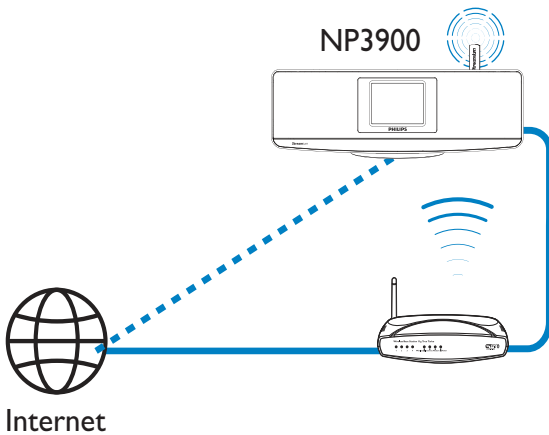


Tip

- The router may fail to assign an IP address, if the DHCP (Dynamic Host Configuration Protocol) is unavailable or disabled on the router. You may need to enter the IP address manually, or press **BACK** to start re-connecting.

Connect to the Internet

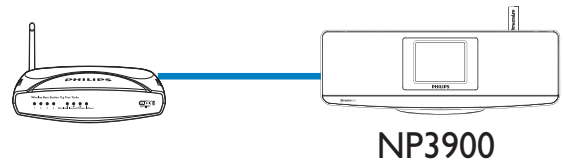
- Connect to the Internet as prompted.
 - ↳ You enter Home screen after the first-time setup is complete.



Note

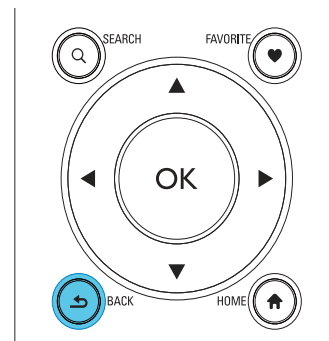
- Ensure that the router connects to the Internet directly and no dial-up is required on the computer.

Wired connection: Enter IP address manually



Stop getting Auto IP

- Use an Ethernet cable to connect the unit to the router.
- On the unit, select [**Wired (Ethernet)**].
- Press **BACK** on the remote control to stop getting auto IP.



Get the IP address of the router

- Consult the user manual of the router.
- Or, to check for the settings of the router, enter the IP address (e.g. 192.168.1.1) in

the web browser (e.g. Internet Explorer) of the computer, and then, get the desired information in the setup page.

Assign the IP address manually

- On the **NP3900**, enter an IP address that allows the unit to be in the same subnet as the router.
For example, if the router has
IP address: 192.168.1.1, Subnet mask:
255.255.255.000;
Then, enter the following on the unit:
IP address: 192.168.1.XX (where XX denotes a number), Subnet mask:
255.255.255.000.



- Press ◀/▶ repeatedly to select the entry location;
- To enter the desired digits, use the alphanumeric buttons on the remote control; or press ▲ / ▼ repeatedly.

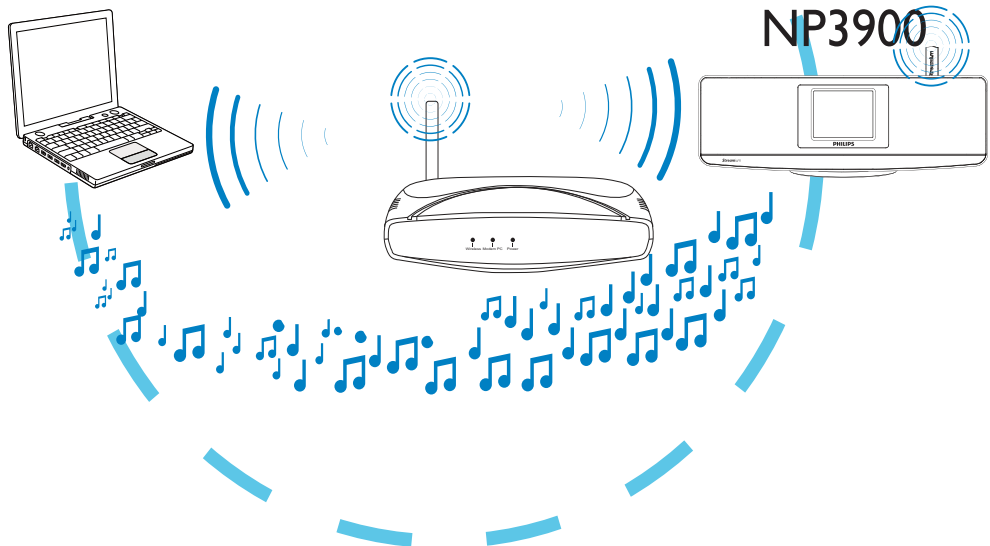
Note

- Ensure that you never enter an IP address that is already assigned to a computer/device on the network.

5 Play from home Wi-Fi/wired network

Stream from a UPnP server

TwonkyMedia Server
(PC/Mac)



You can stream music between computers and **NP3900**, when

- **NP3900** is connected to home Wi-Fi/wired network;
- Music sharing is set up on the computers, other UPnP servers that are also connected to the home Wi-Fi/wired network.

With the music sharing software (the supplied **Media Browser** and **TwonkyMedia Server**), such computers can work as UPnP media servers (music libraries) of **NP3900**, if they are turned on.

Through the UPnP (Universal Plug and Play) protocols, a UPnP media server allows music files to be streamed from the server to a UPnP client device (e.g. NP3700). On the UPnP client device, you can play the music from the server.

Library on a UPnP server

On the computers (UPnP servers), the supplied software **Media Browser** or **TwonkyMedia Server** can access music libraries that are organized by different media management software, including **Windows Media Player 11** and **iTunes**.

iTunes is the a trademark of Apple Inc., registered in the U.S. and other countries.

Stream from a UPnP server

On NP3900, play a music library that is streamed from a UPnP server (a computer on the home Wi-Fi/wired network).

- 1 Ensure that the UPnP server is connected to the home Wi-Fi/wired network.
- 2 On NP3900, press **LIBRARY** on the remote control.
 - Or, from Home screen, select **[Media Library]**.
- 3 Select a music library.
 - ↳ You can see the categories by which the music is sorted (e.g. Artist, Album, Genre).
- 4 Select your desired track or album.
- 5 Press **▶||** to start play.
 - Play starts from the beginning of the album, if you press **▶||** on an album.
 - Play screen appears when play starts (see 'Your NP3900'->'Overview'->'Play screen').

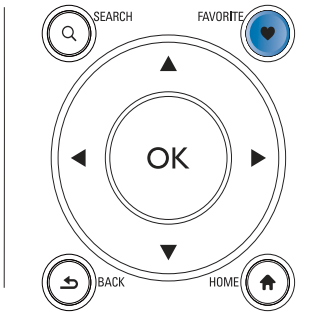


- 6 To stop play, press **■**.

Play favorite songs

On NP3900, you may wish to listen to certain songs from different artists, albums, and genres. Add the songs to **[Favorites]**.

- 1 Go to a list of songs.
- 2 On the remote control, press **FAVORITE** to add current song to **[Favorites]**.
 - Or, press **FAVORITE** when listening to a song.
 - A list of favorite songs is created under **[Media Library] > [Favorites]**.
- 3 To find and play the favorite songs, press **HOME** on the remote control.
 - ↳ From home screen, you can find the favorite songs under **[Media Library] > [Favorites]**.
 - To remove a favorite song from [Favorites]**
 - ↳ Select the song in **[Media Library] > [Favorites]**. Press **FAVORITE** on the remote control.



Play photos

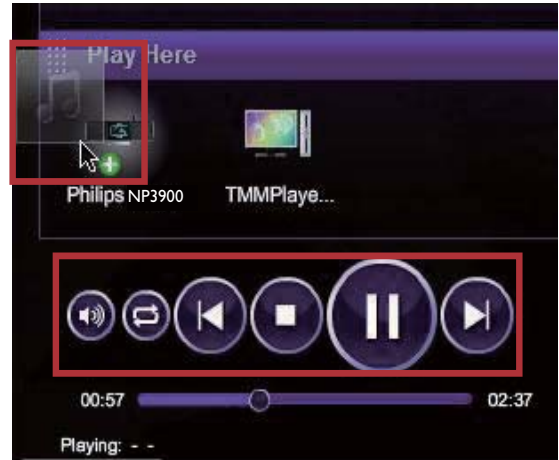
- Press ▲ / ▼ to rotate the picture;
- Press ◀ / ▶ to move to previous/next picture;
- Press ▶|| to start playing all pictures in slideshow mode.



External control from a PC

Through the home Wi-Fi/wired network, the **Media Browser** on a PC (UPnP server) allows you to control NP3900.

- 1 On the PC desktop, launch **Media Browser** by double clicking the icon.
- 2 In **Media Browser**, select songs to be played on NP3900. Drag the songs to the icon of NP3900.
 - ↳ A green "+" appears if the songs are in supported formats.



- 3 On the computer, you can click the buttons to
 - Adjust the volume;
 - Select previous/next songs if you have dragged more than one songs to NP3900. See the Step 2 above.
 - Fast search forward or backward;
 - Play/pause and resume.
- 4 On NP3900, do the following to exit the external control.
 - Press ■ on the remote control;
 - Press a source selector on the remote control;
 - Press ⏻ ;
 - Press HOME.

Note

- The external control is stopped if the sleeper timer is turned on after the set time duration.

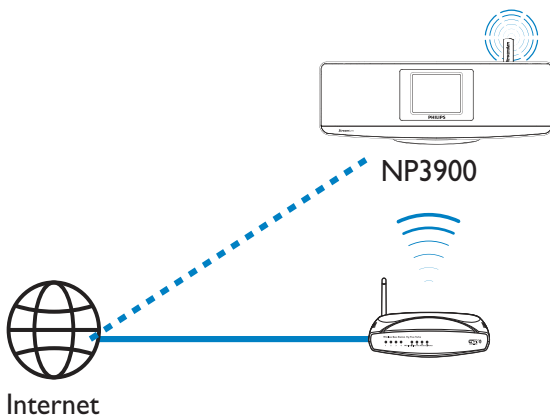
Play Internet radio stations

To play Internet radio stations, ensure that

- **NP3900** is connected to the Internet over the home Wi-Fi/wired network.

Note

- Ensure that the router connects to the Internet directly and no dial-up is required on the computer.



Tune to Internet radio stations

- 1 Ensure that NP3900 is connected to the Internet.
- 2 On NP3900, press **INTERNET RADIO** on the remote control.
 - Or, from Home screen, select **[Internet Radio]**.
- 3 To search for radio stations,
 - Go to **[All stations] > [Locations]** to locate stations by region;
 - To search for a station by name, use the remote control to start alphanumeric search or Superscroll (see 'Play from home Wi-Fi/wired network' -> 'Search for music').
- 4 Select the desired station to start play.

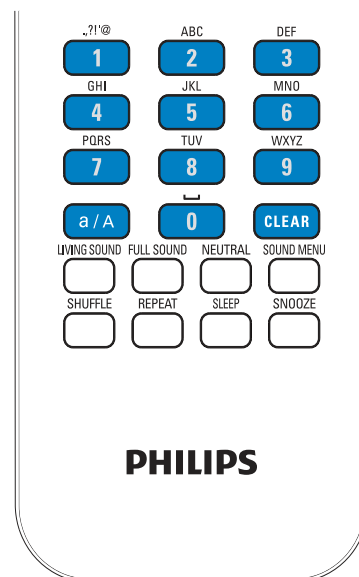
Store preset stations

On NP3900, you can store up to 10 preset stations. Each preset station corresponds to a numeric button on the remote control. On the radio play screen, press a numeric button, you quickly switch to the corresponding preset station.

By default, preset stations are pre-loaded to NP3900 according to the location that you select during the first-time setup. To check or change the location, go to **[Settings] > [Location and time zone]**.

To store preset station

- 1 Play the desired station (see 'Play from home Wi-Fi/wired network' -> 'Play Internet radio stations' -> 'Tune to Internet radio stations').
- 2 On the play screen, press and hold the desired numeric button (0-9).
 - ↳ A message appears, indicating that the station is added to the corresponding location.
 - ↳ The new preset replaces the old one if the location has been filled.



To play a preset station

- Go to **[Internet Radio] > [Presets]**.
- Or, on the radio play screen, press the corresponding numeric button (0-9).

Edit favorite stations

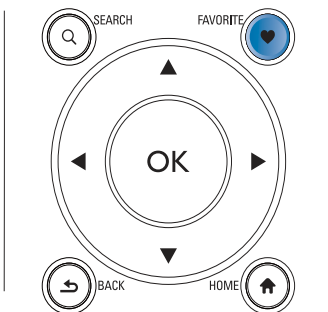
On NP3900, you can mark an Internet radio station as favorite. All the stations are added to **[Internet Radio] > [Favorite stations]**. In this way, you can quickly access your favorite stations.

To add a station to **[Favorite stations]**

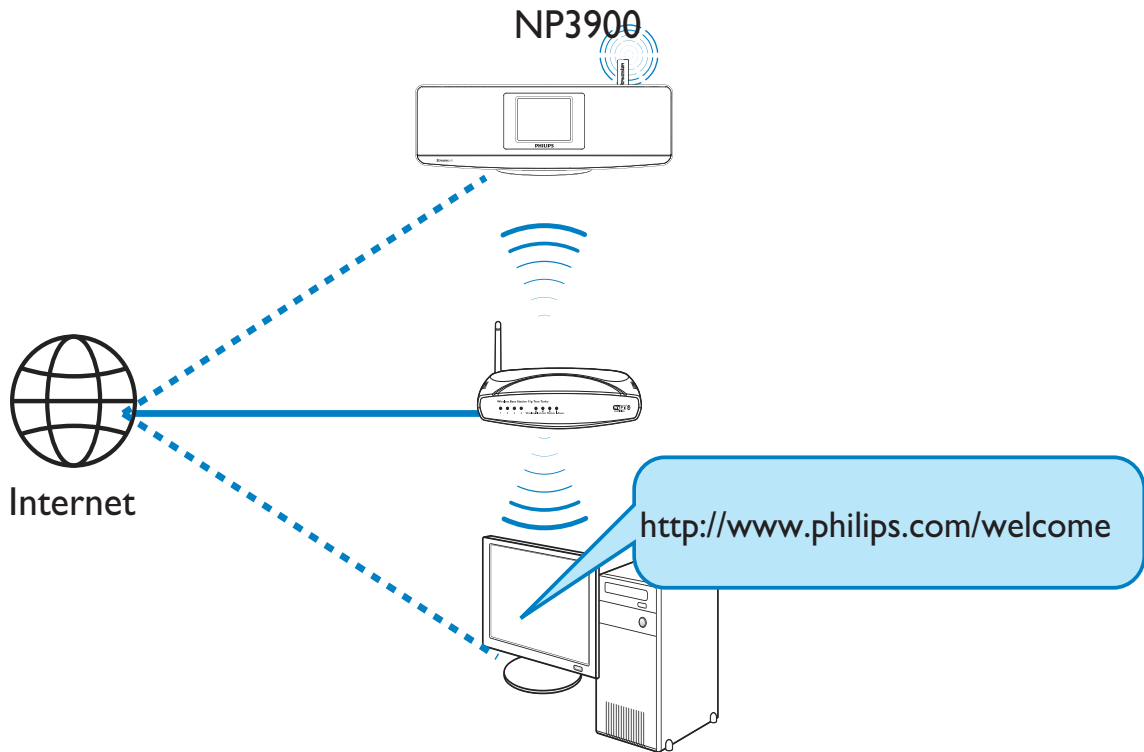
- On a list of stations, select the desired station. Press **FAVORITE** on the remote control.
- Or, play the desired station. On the play screen, press **FAVORITE** on the remote control.
 - ↳ A message appears, indicating that the station is added to **[Favorite stations]**.

To remove a station from **[Favorite stations]**

- Select the station in the list of stations; or, go to the play screen of the station. Press **FAVORITE** again.
- Or, press **CLEAR** on the play screen of the station.



Manage Internet radio online



By registering NP3900 on www.philips.com/welcome (see 'Register NP3900 with Philips'), you can log in to Club Philips. On Club Philips, you can do the following to manage the Internet Radio on a computer:

- Edit favorite stations;
- Manually add stations that you are unable to find on NP3900.

Edit favorite stations online

Through Club Philips, you can manage the list of favorite stations on a computer. When connecting NP3900 to the Internet, you update the favorite stations on NP3900.

- 1 On a computer, log in to Club Philips (see 'Register NP3900 with Philips').
- 2 To mark/unmark stations as favorite:
 - Click [Streamium management] > [Favorites] > [Browse];

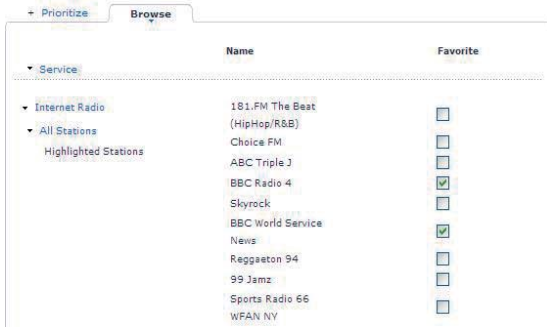


- In [Browse], find the desired stations;



- Under [Favorite], check the box corresponding to the station.
↳ The station is marked as favorite.

- To unmark, uncheck the box corresponding to a station.



3 To change the order of favorite stations in the list:

- Click [Prioritize];
- Click on the row of the station to be moved;
- Drag and drop the row upward or downward.



↳ On NP3900, you can find the stations in the desired order under **[Internet Radio] > [Favorite stations]**, if you have connected NP3900 to the Internet.

Tip

- In the list of favorite stations, to put a favorite station ahead of the first one, make the station just behind the first one; drag and drop the first station downward.
- To put a station behind the last one, make the station just ahead of the last one; drag and drop the last station upward.

Manually add stations online

Manually add stations

Through Club Philips, you can manually add Internet radio stations to NP3900 on a computer.

- 1 On a computer, log in to Club Philips (see 'Register NP3900 with Philips').
- 2 To add a station, click [Streamium management] > [My media] > [Music].

My media

* Indicates required fields

Music + Capabilities

* URL

* Nickname

Mimetype audio/aac (MPEG-4 Audio (.aac))

* Description

Mark as favorite

Save Clear

3 In [Music], enter station information in the text boxes:

- In [URL], fill in the web site of the station;
- In [Nickname], fill in a name that appears as station name in [My media];
- In [Description], fill in one-word description about the station, e.g. music, sports, news. The description is used as a category to sort stations under [My media].

4 Click [Save].

↳ A station is manually added the below the edit boxes.

To edit an added station

The screenshot shows the 'Music' section with a '+ Capabilities' tab. It contains several fields: 'URL' (http://view.33591.cn/userdata/1655/music/), 'Nickname' (21st century girl), 'Mimetype' (audio/aac (MPEG-4 Audio (.aac))), and 'Description' (mp3). There is a 'Mark as favorite' checkbox which is unchecked. At the bottom, there are 'Save' and 'Clear' buttons. Below the form, there is a prompt 'Click a stream to select and edit' and a table with columns 'NICKNAME', 'MIMETYPE', and 'MARK AS FAVORITE'.

- As shown, click the station.
 - ↳ The text boxes are filled, showing the information about the station.
- Click the text boxes to edit the information.

Stream from online music services

On NP3900, you can enjoy the online music services.

With the online music services, you can access their online music libraries.

Create a user account to use the services. To access some features, you may need to subscribe services.

Note

- Online services are available in some countries only.

- 1 On NP3900, press **ONLINE SERVICES** on the remote control.
 - Or, from Home screen, go to **[Online services]**.
- 2 On the list of online services, select the desired option. Press **OK** to confirm.
- 3 To start play, press **▶▶**.
 - To stop play, press **■**.

Search for music

In a list of options, you can do one of the following to search for what you need.

Tip

- When searching in the following ways, ensure that NP3900 is in **[Media Library]** or **[Internet Radio]** mode.

- Use the navigation keys **▲**, **▼**, **◀**, **▶**.
- Start quick search by using the **alphanumeric search**, **Superscroll**, and **Quickjump**.

Note

- **Alphanumeric search**, **Superscroll** and **Quickjump** are available only when you enter a long sorted list of options (excluding the home screen and lists of menus).

Alphanumeric search

In a long list of options, start alphanumeric search by entering characters that an item starts with or contains.

- 1 Press **SEARCH** on the remote control, if necessary.
 - ↳ A text box appears.



- 2 Enter characters by using the remote control (see 'Your NP3900' -> 'Overview' -> 'Text entry').

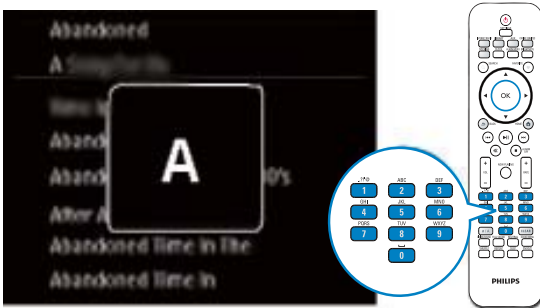
- 3 Press **OK** after completing text entry.
 - ↳ Search starts.
 - ↳ You can find a list of items that contain the characters.
 - ↳ You can find a close match if there is no item that contains the character.

Quickjump

You can also use **Quickjump** for alphanumeric search.

To reach the first item that starts with a certain letter

- On the button corresponding to the letter, press once or repeatedly until the letter appears.



To reach the first item that starts with the next letter

- Press **▶**.

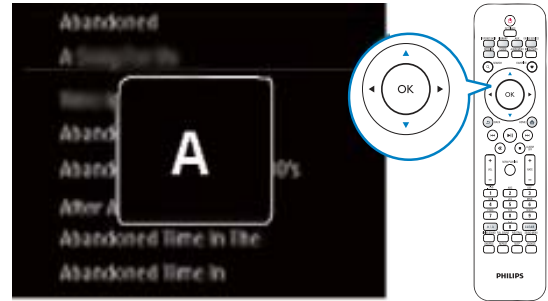
To reach the first item that starts with the previous letter

- Press **◀**.

Superscroll

In a long list of options, **Superscroll** allows you to start a search in an alphabetical order. You can quickly reach the first item that starts with the selected alphabet.

- 1 Press and hold **▲** / **▼** to start Superscroll.
 - ↳ A pop-up text box appears. Letters are displayed repeatedly in an alphabetical order, starting from current letter.



- 2 Release **▲** / **▼** when you reach the desired letter.
 - ↳ You reach the first item that starts with the letter.

6 Use your Smartphone as a virtual remote control

You can turn your Smartphone into a virtual remote control to operate this device.

What you need

- An iPhone or Android enabled Smartphone
- A wireless home network

Before you start

- Connect NP3900 to your home network (see 'First-time setup - Connect to home Wi-Fi/wired network').
- Connect your iPhone or Android enabled Smartphone to the same home network. For details, see your Smartphone's user manual.

Download the application

Download the Philips application **MyRemote** (my remote control) from Apple's **App Store** or **Android Market Place**. This application is free.

- 1 Tap the **App Store** icon on your iPhone.
 - Or tap the **Market** icon on your Android enabled Smartphone.
- 2 Search for 'Philips MyRemote' in the **App Store** or **Market**.
- 3 Follow the instructions on your Smartphone to download the application.
 - ↳ The Philips **MyRemote** icon is added to the home screen of your Smartphone.

Access the smartphone application

Access the **MyRemote** application from your iPhone or Android enabled Smartphone, and then identify your network music player on the home network.

- 1 Tap **MyRemote** on your iPhone or Android enabled Smartphone.
 - ↳ The Smartphone searches your home network. Your network music player and the other compatible devices on the network are displayed on your Smartphone.
- 2 Tap your network music player on the Smartphone.
 - ↳ The home screen of the virtual remote control is displayed on the Smartphone.
- 3 If your network music player is not found, check the network connection. Then, tap the **Devices** (Devices) tab on your Smartphone to search again.
- 4 To exit the application, press the home button on your Smartphone.

Use the virtual remote control

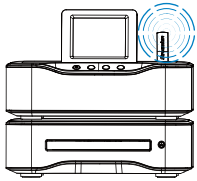
- 1 Launch the application on your iPhone or Android enabled Smartphone.
 - ↳ The home screen of the virtual remote control is displayed.
- 2 Tap an icon on the home screen to select the source you want.
- 3 Tap **[Now Playing]** at the bottom of the screen.
- 4 Tap control buttons on the **[Now Playing]** screen to select different operations.



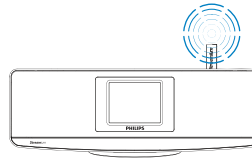
Note

- Some control functions are not available on iPhone or Android enabled Smartphones.

7 Multiroom Music



MCI8080



NP3900

With the Multiroom Music feature, you can play the same song on MCI8080 and NP3900 at the same time.

Before you enable this feature, make sure that:

- both MCI8080 and NP3900 are connected to the home Wi-Fi network;
- you are playing songs from the HDD connected to MCI8080.

- 1 Play a song from the HDD connected to MCI8080.
- 2 From Home screen of MCI8080, select **[Multiroom Music]** to enable the Multiroom Music feature.



- 3 Wait until the Multiroom Music feature is enabled successfully.

- To cancel simultaneous play, press **■** on MCI8080.



8 Play from an external audio device (AUX)

With the **MP3 LINK** socket and **AUX** mode, NP3900 allows you to play an external audio device (e.g. a portable media player) through the speakers of NP3900.

Play from an external audio device

- 1** Ensure that the external audio device is properly connected to NP3900 (see 'Connect'->'Connect external audio devices').
- 2** On NP3900, select the **AUX** mode.
 - From Home screen, select [**MP3 Link**].
 - Or, press **AUX** on the remote control.
- 3** On the external audio device, start music play.
 - For the music play, you can use the sound settings on NP3900 (see 'Settings'->'Sound settings').




9 Settings

Play modes

When playing music, you can choose to play repeatedly, play in random order, or play one by one. Select a play mode as desired.


To select a play mode for music play

Before or during music play,

- From Home screen, go to **[Settings]** > **[Play mode]**; Or,
- Press **REPEAT** or **SHUFFLE** on the remote control.
 - ↳  - Play all songs in current folder repeatedly;
 - ↳  - Play current song repeatedly;
 - ↳  - Play all songs in current folder randomly.



Sound settings

On NP3900, you can select different sound settings in **[Settings]** > **[Sound settings]**.

- 1 From Home screen, go to **[Settings]** > **[Sound settings]**.
 - Or, press **SETTINGS** on the remote control to enter **[Settings]**.
- 2 Select the option. Press **OK** to turn it on or off.
Or,
 - On the remote control, press **SOUND MENU** to enter the menu of sound settings.
 - To exit the menu of sound settings, press  **BACK**.

Bass and treble

Use **[Bass / Treble]** to adjust the low (bass) or high (treble) range of musical notes.

- 1 From Home screen, go to **[Settings]** > **[Sound settings]** > **[Bass / Treble]**.
 - Or, press **SOUND MENU** on the remote control to enter the menu of sound settings.
- 2 Press  /  repeatedly to increase/decrease the level.
 - Press **CLEAR** to select the neutral level.

Full sound

[FullSound] restores the sonic details that music compression loses (e.g. MP3, WMA).

- Turn on or off **[FullSound]** in **[Settings]** > **[Sound settings]**.
- Or press **FULL SOUND** on the remote control.

Living sound

LivingSound allows you to enjoy truly immersive music over a wider area.

- Press **LIVING SOUND** on the remote control to enable/disable the LivingSound effect.

Direct Source

With **[Direct source]**, you can turn off the settings of sound effects on NP3900, including **[FullSound]** and **[Bass / Treble]**.

Thus, music plays in an original way, without the sound effects from NP3900.

- Turn on or off **[Direct source]** in **[Settings]** > **[Sound settings]**.
 - Or press **NEUTRAL** on the remote control.



Tip

- The sound effect settings are retained and enabled when **[Direct source]** is off.

Display settings

Brightness

On NP3900, you can adjust the brightness of the display. As desired, the display lights up, dims or turns off when NP3900 is turned on or switched to active standby.

- In **[Settings]** > **[Display settings]** > **[Brightness when on]** or **[Brightness when standby]**, select an option and press **OK**.

Wallpaper

For menus on NP3900, you can set the background display (wallpaper).

To set wallpaper

- 1 On NP3900, select and play a photo.
- 2 Press **SETTINGS** on the remote control to select **[Settings]** > **[Display settings]** > **[Wallpaper]**.
- 3 In **[Wallpaper]**, select **[Current picture]**.
↳ Current picture is set as wallpaper.

Screensaver

On NP3900, the screensaver is turned on when NP3900 is switched to active standby.

When turned on, the selected screensaver appears. The clock is shown on the lower right corner of the screen.

By default, clock display appears as the screensaver.

To set screensaver

- 1 On NP3900, select and play a picture.
- 2 Press **SETTINGS** on the remote control to select **[Settings]** > **[Display settings]** > **[Screen saver]**.

- 3 In **[Screen saver]**, select **[Current picture]**.
↳ Current picture is set as screensaver.

Slideshow settings

When in the slideshow mode, you can view pictures one by one.

To select a play mode for slideshow

- 1 From the home screen, go to **[Settings]** > **[Slideshow settings]**.
Or, press **SETTINGS** on the remote control to enter **[Settings]**.
- 2 Select one of the following play modes. Press **OK** to turn it on or off.
↳ **[Repeat]**: Play all pictures repeatedly;
↳ **[Shuffle]**: Play all pictures randomly.

To set the play time of each picture

- 1 From Home screen, go to **[Settings]** > **[Slideshow settings]** > **[Time per slide]**.
 - Or, press **SETTINGS** on the remote control to enter **[Settings]**.
- 2 In **[Time per slide]**, select the desired time duration.

Album art

Album art (the picture of CD/album cover) is sometimes available for music downloads. With some media management software, album art can be inserted for the songs. By turning **[Album art]** on or off, you can choose whether to show the picture of CD/album cover for corresponding songs.

To turn on [Album art]

- 1 From the home screen, go to **[Settings]** > **[Album art]**.
Or, press **SETTINGS** on the remote control to enter **[Settings]**.

- 2 Select **[Album art]**. Press **OK** to turn it on or off.
If **[Album art]** is on,
↳ In the list of songs, the album art appears as thumbnail along with the corresponding song.



- ↳ During the song play, the album art is displayed in full screen as the background.



Clicker sound

NP3900 can give you an audible feedback (clicker sound) every time you press a button on the remote control.

You can turn the clicker sound on or off in **[Settings] > [Clicker sound]**.

Clock settings

Alarm

Set the alarm

- 1 Ensure that you have set the clock (see 'Settings'->'Date and time').
- 2 From Home screen, go to **[Settings] > [Clock settings] > [Alarm]**.
 - Or, press **SETTINGS** on the remote control to enter **[Settings]**.
 - Or, press **ALARM MENU** on the remote control.
- 3 To set the source of alarm sound,
 - Select **[Music]**;
↳ At the set alarm time, last played song starts/resumes, or you tune to the last played Internet radio station.
 - Select **[Buzzer]**.
↳ At the set alarm time, the buzzer sounds.
- 4 To set the alarm time,
 - Press and hold **▲ / ▼**, or press **▲ / ▼** repeatedly until you reach the desired digits. Press **OK** to confirm.
 - Or, enter the desired digits by using the alphanumeric buttons on the remote control.
↳ The alarm icon **🔔** appears on the screen.

To play a song or Internet radio station as the next alarm sound

- 1 Ensure that you have selected **[Music]** in the Step 3 above;
- 2 Before you turn off NP3900, or switch NP3900 to active standby,
 - Go to **[Media Library]**, and select and play the desired song;
 - Or, go to **[Internet Radio]**, and tune to the desired station.

Use the alarm

At the set alarm time, music/Internet radio plays as desired, or the buzzer sounds.




Note

- The alarm sounds even if you have switched NP3900 to active standby or Eco standby.
- The buzzer sounds instead, if NP3900 fails to connect to a music library or an Internet radio station.
- NP3900 is unmuted if it has been muted.
- The alarm sounds in a higher volume if the volume level is lower than minimum.

To snooze the alarm

- Press any button on the unit or the remote control (except for the volume buttons).
 - ↳ The alarm sounds again 15 minutes later. The alarm icon remains.

To stop the alarm

- Press and hold  or .
 - Or press  / **ALARM OFF** on the remote control.
 - ↳ The alarm is stopped.
 - ↳ The alarm sounds again next day.

To turn off the alarm

- Go to **[Settings]** > **[Clock settings]** > **[Alarm]**. Select **[Alarm off]** and press **OK** on the remote control.

Sleep timer

With the sleep timer, you can have NP3900 turned off automatically after the set timer duration.

To set the time duration

- 1 From the home screen, go to **[Settings]** > **[Clock settings]** > **[Sleep timer]**.
 - Or, press **SETTINGS** on the remote control to enter **[Settings]**.

- 2 Select an option. Press **OK** to turn it on.

Tip

- You can also press **SLEEP** on the remote control repeatedly to set the time duration.

Date and time

The date and time can be set automatically or manually.

Tip

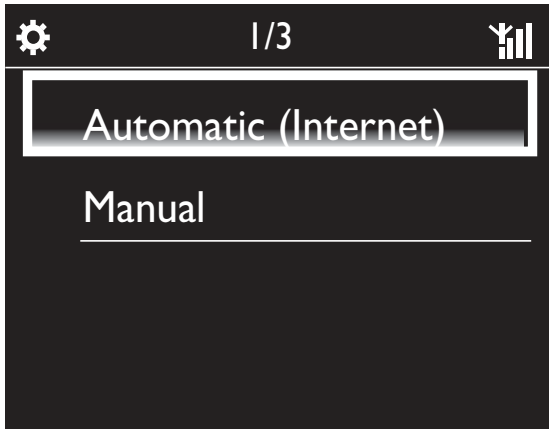
- To view the set clock, press **CLOCK** on the remote control.

Automatic setting

For automatic clock setting, use the online service over the Internet.

Through the online service over the Internet

- 1 Turn on the unit, if necessary.
 - Ensure that the unit is connected to the home Wi-Fi/wired network and Internet.
- 2 From Home screen, select **[Settings]** > **[Clock settings]** > **[Date and time]**.
 - Or, press **SETTINGS** on the remote control to enter **[Settings]**.
- 3 In **[Date and time]**, select **[Current date and time]** > **[Automatic (Internet)]**.
 - ↳ The unit starts auto time setting over the Internet.
 - ↳ A message appears when the setting is done.



Tip

- According to the location and time zone you select, the unit can have the clock time set and adjusted automatically through the online service over the Internet.
- To check and change current location and time zone, go to **[Settings] > [Location and time zone]**.

Manual setting

- 1 Turn on the unit, if necessary.
- 2 From Home screen, select **[Settings] > [Clock settings] > [Date and time]**.
 - Or, press **SETTINGS** on the remote control to enter **[Settings]**.
- 3 In **[Date and time]**, select **[Current date and time] > [Manual]**.
- 4 To enter date and time,
 - Press ◀ or ▶ to select the entry location;
 - Use the alphanumeric buttons to enter desired digits;
 - Press **OK** to confirm.
 - You can also press ▲ or ▼ repeatedly, or press and hold ▲ or ▼ until the desired digit appears.

Set date/time format

Select how date and time are displayed in the clock.

- 1 Follow Step 1-2 under “Manual setting”.
- 2 In **[Date and time]**, go to **[Time format]** or **[Date format]** to select options.

Network settings

Setup network

After the first-time setup, you can change how **NP3900** connects to home Wi-Fi/wired network:

- Switch between different connection methods (wireless or wired, automatic or manual);
- Switch between different routers. To do so, do the following:

- 1 From Home screen, go to **[Settings] > [Network settings] > [Setup network]**.
 - Or, press **SETTINGS** on the remote control to enter **[Settings]**.
- 2 Connect **NP3900** as you did in the first-time setup (see ‘First-time setup’->‘Connect to home Wi-Fi/wired network’).

Device name

In **[Device name]**, you can name/rename your NP3900. On a connected UPnP server/client, the NP3900 can be found as named.

- 1 From Home screen, go to **[Settings] > [Network settings] > [Device name]**.
- 2 In **[Device name]**, press ◀ / ▶ to select the entry location; press ▲ / ▼ repeatedly to select desired letters.

Location and time zone

After the first-time setup, you can change the selected location and time zone when moving to a new location or time zone.

According to the selected location and time zone, NP3900 can

- Set clock automatically over the Internet (see 'Settings'-'Date and time');
- Pre-load preset Internet radio stations automatically.

Language

After the first-time setup, you can change the language selection in **[Settings]** > **[Language]**.

Device information

From the home screen, go to **[Settings]** > **[Device ID and information]**. You can learn about information about NP3900, including model number, name to be shown on a UPnP server/client, software version and network settings.


Check for software upgrades

On the NP3900, you can check for software upgrades. After you click to agree to the terms and conditions, the downloading and installation of new upgrades start automatically.

- 1 Ensure that NP3900 is connected to the Internet.
- 2 From Home screen, go to **[Settings]** > **[Check for software upgrades]**.

Demo mode

After the first-time setup, you can view the demo again.

- 1 From Home screen, go to **[Settings]** > **[Demo mode]**.
↳ Demo play starts.
- 2 To exit the demo play, press .
↳ The unit is switched to Eco standby.

Restore factory settings

You can restore NP3900 to factory settings. All your settings are removed, including the settings of network, sound, display, clock, alarm and language.

- 1 Go to **[Settings]** > **[Restore factory settings]**.
- 2 As prompted, select **[Yes]**.
↳ The unit is turned off.
↳ The unit is turned on again automatically when the factory settings are restored.
↳ Start the first-time setup.

10 Register NP3900 with Philips

Benefits

By registering NP3900 on www.philips.com/welcome, you can

- Get free software upgrades;
- Manage your own favorite radio stations;
- Receive Streamium newsletters.

Note

- Registration of **NP3900** requires a valid email address.

Register NP3900

Use a valid email address as the account when you register NP3900 on www.philips.com/welcome.

You can complete the registration directly on www.philips.com/welcome. Or, use an email address to register on the device, and then, complete the registration through the web site link that you received in the email.

Register on the web site

To register NP3900 directly on www.philips.com/welcome, you need to fill in the following information as prompted during registration:

- A valid email address as the registration account;
- Product model number;
- Product registration ID.

To get the product model number

- Look at the packaging box of the device or the product label. You can always find the model number on the packaging box or product label (e.g. NP3900).



To get the product registration ID

- On NP3900, go to **[Settings]** > **[Device ID and information]**. Press **▼** repeatedly to find **[Product Registration ID]**.

Register on the device

Use an email address to register on the device, and then, complete the registration through the web site link that you received in the email.

- 1 Ensure that NP3900 is connected to the Internet.
- 2 To register with www.philips.com/welcome,
 - On NP3900, select **[Settings]** > **[User registration]** > **[Register now]** > **[Register on the device]**;
 - As prompted, enter your valid email address (see 'Your NP3900' -> 'Overview' -> 'Text entry').
 - ↳ You receive an email message from ConsumerCare@Philips.com.

- On a computer, use the web site link in the email to complete registration.



Tip

- To log in to Philips online services later, use the web site link in the email, and the password.

Unregister NP3900

When registering with www.philips.com/ welcome, you can only use one account for one unit (e.g. NP3900). For each account, you can maintain a set of favorite stations and manually added stations.

To use another account for registration, you need to unregister current one.

To unregister an account

- 1 On NP3900, select **[Settings]** > **[User registration]** > **[Unregister]**.
- 2 As prompted, confirm to start unregistering the account.



Tip

- When re-registering the account, you can recover the Internet radio stations that you maintained with Philips online services.

Check registration information

You can check whether you have registered the NP3900, and what account you have used for registration. To check the information, go to **[Settings]** > **[User registration]** > **[Registration status]**.

11 Maintenance

This chapter tells you how to care for NP3900.

Cleaning



Note

- Avoid moisture and abrasion.

- 1 Clean NP3900 only with a soft dry cloth.

12 Technical data

General

AC Power

The voltage information is printed on the power adaptor (backside).

DC Power

12 V / 3 A (center positive)

Dimensions (L x W x H)

345.5 x 106 x 116 mm

Weight (net)

Main unit: ~ 1.5 kg

Power consumption

On

< 40 W

Standby (active / connected to network)

< 4 W

ECO (passive) standby

≤ 0.8 W

Audio output

Headphones

1x 3.5 mm jack

40 - 18,000 Hz

32 Ω

Signal to noise ratio (headphones)

typically 85 dBA (IEC)

Distortion (headphones)

< 1 %

Audio input

Aux in (line in)

1 x 3.5mm jack

Input sensitivity

800mV

Input impedance

> 10 kΩ

Audio amplifier (Digital)

Output power

Front LS: 2 x 9 W

Side LS: 2 x 6 W

Frequency response

63 Hz - 18,000 Hz (3 dB points)

Signal to noise ratio

≥ 85 dBA (IEC)

Loudspeakers

Power handling

Front speakers: 10 W (RMS) / 15 W (MPO)

Side speakers: 6 W (RMS) / 9 W (MPO)

Impedance

Front speakers: 8 Ω

Side speakers: 12 Ω

Sensitivity

Front speakers: 80 dB / 1 m / W

Side speakers: 83 dB / 0.5 m / W

Dimensions

Front speakers: 2.5 inch

Side speakers: 1.5 inch

Frequency response

Front speakers: 80 Hz - 20 kHz

Side speakers: 150 Hz - 20 kHz

Sound features

FullSound®

Yes (on / off)

BASS/TREBLE control

Yes (+/- 10 steps)

Living Sound

Yes (on / off)

Direct source (flat mode)

Yes (on / off)

Wireless

Wireless standard
802.11n, backwards compatible to 802.11b/g
Wireless security
WEP (64 or 128 bit), WPA/WPA2 (8-63 characters)
Frequency range
2412 - 2462 MHz (CH1-CH11) (for /79, /37, /55, /97)
2412 - 2472 MHz (CH1-CH13) (for /12, /05)
Antenna
1 x vertical, polarized (IT/IR)
Wireless protected setup (WPS)
Yes

Wired (LAN / Ethernet)

Wired standard
802.3 / 802.3 u
Speed
10 / 100 MBit/s
Mode
half / full duplex
Crossover detection (Auto MDIX)
Yes (Auto MDIX)

Note

- The wired and wireless network interfaces cannot be turned on at the same time.

Internet services

Internet radio
Radio Time My Media *
Internet services
Rhapsody Direct** (for /37, /17) Napster Direct** (for /12, /05, only in Germany/UK)

* This service requires registration with Club Philips.

** Both services require user registration with Rhapsody and Napster respectively.

Decoding capabilities

MP3
8 - 320 kbps (CBR / VBR)
WMA
32 - 192 kbps (CBR / VBR)
AAC (M4A)
16 - 320 kbps (CBR / VBR)
PCM (L - PCM)
1 x (1.4 Mbps)
FLAC
Yes, supported
Real Audio (*.ra)
No, not supported

Playlist support

*.m3u, *.wpl
Yes
iTunes, Rhapsody
Yes (via by-packed UPnP Server)

Display / Clock

Resolution
Dotmatrix, 320 x 240 dots (QVGA), color TFT
Size
3.5 inch
Backlight
Can be turned on/off, or dimmed
Touch screen
Yes
Clock / date display
Yes
Automatic time setting via the Internet (NPT)
Yes, enabled
Sleep timer
Yes
Internal (key) clicker
Yes
Alarm
Yes (once, Daily, Day of the week)

Docking

9-pole MiniDIN socket

Compatible with Philips DCK3060 (external dock; not included)

5V / 500mA

Others

UPnP

DMP (Local renderer, Local control point)
ECP (Controllable via an external control point)

DLNA

Yes, Version 1.5 (DMP, DMR)

Smart phone control

Yes, compatible with MyRemote App available at Apple App Store, Android Market Place

Philips Multiroom

Yes (station only)



Note

- Specifications and external appearance are subject to changes without notice.

13 Troubleshooting

I cannot hear any sound or the sound is poor, what do I do?

- Press **+ VOL -** to increase the volume.
- Press the **MUTE** button again to reactivate the sound output.

Is there a maximum distance of transmission between a wireless router and NP3900 for effective streaming?

Yes. The maximum distance of Wi-Fi transmission is 250m measured in open spaces. However, in a home environment, where solid obstacles such as walls and doors are present, the effective transmission distance is reduced to 50-100m. Reposition the devices if you experience transmission problems.

I have not received any registration email from ConsumerCare@Philips.com.

- Check that the email address that is entered in the user registration section is valid and spelled correctly.
- Check that the PC has an active Internet connection.
- The Internet server may be busy, try again later.
- Check if the email was redirected to the spam folder.

How do I avoid Wi-Fi interferences from other devices that operate in the same (2.4GHz) frequency spectrum, such as Dect phones or bluetooth devices?

- Move NP3900 at least 3m away from such devices.
- Use a WEP/WPA encryption key when you create the wireless connection your PC / home network.
- Change the operating channel on the interfering devices.
- Turn the devices in different directions to minimize interference.

14 Contact information

Argentina	(54-11) 4544-2047
Australia	1300 363 391
Austria	0810 000 205
Belgium	78250145
Belarus	882000110068
Brazil	0800 701 02 03 (all except Sao Paulo)(11) 2121-0203 (Sao Paulo only)
Bulgaria	8001154424
Canada	1-888-744-5477
Chile	600 744 5477 (600-PHILIPS)
China	4008 800 008
Colombia	01 800 700 7445
Croatia	800222778
Czech Republic	800142840
Denmark	35258759
Estonia	8000100288
Finland	923113415
France	805025510
Germany	8000007520
Greece	80031221280
Hong Kong	852-2619 9663
Hungary	680018189
India	1860-180-1111
Ireland	16011777
Israel	9600900-09
Italy	800088774
Japan	0570-07-6666
Korea	080-600-6600
Latvia	80002794
Luxembourg	4066615644
Malaysia	1800 880 180
Mexico	01 800 504 6200
Netherlands	8000230076
New Zealand	0800 658 224
Norway	22708111

Pakistan	051 580 902-3
Peru	0800 00100
Philippines	(63 2) 667 9000
Poland	8003111318
Portugal	800780903
Romania	800894910
Russia Federation	(495)961-1111 (local rate)8-800-200-0880 (mobile phone - free)
Singapore	65 6882 3999
Slovakia	800004537
South Africa	(011) 471-5194
Spain	900800655
Sweden	857929100
Switzerland	844800544
Taiwan	0800 231 099
Thailand	66 2 652 8652
Turkey	0800 261 3302
Ukraine	8-800-500-69-70
United Kingdom	8003316015
United States	1-888-744-5477
Uruguay	(598-2) 619 6666
Venezuela	0800 100 4888

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